Page Q of 2 P E C 00 MAY 1 1 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Applic

Serial No. 09/973,853

Filed: October 10, 2001

For: AZA-AND POLYAZA-NAPHTHALENYL

CARBOXAMIDES USEFUL AS INTEGRASE

INHIBITORS

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Art Unit: 1624

PATENT Case No. 2075

Examiner: Coleman, Brenda L.

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement

is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined

in 37 C.F.R. 1.56(b).

Sir:

- 2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
- Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
- 4. Pursuant to the waiver by the Office of the requirement under 37 CFR 1.98 (a)(2)(i) dated July 11, 2003, if the filing date of this application is after June 30, 2003, copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

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Computer generated form "IDS Letter" (IDS Folder), Merck & Co., Inc., 08/11/2003

Approved for use through 07/31/2006. OMB 0651-0032 U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE SUBSTITUTE for PTO/SB/17(10-03)"FEE TRANSMITTAL for FY 2003"

Complete if Known FEE TRANSMITTAL 09/973,853 Application Number Filing Date October 10, 2001 First Named Inventor Anthony et al. fees are subject to annual revision. **Examiner Name** Coleman, Brenda L. Group Art Unit 1624 TOTAL AMOUNT OF PAYMENT 20757Y Attorney Docket Number

| | M | ETHOD OF PAYMEN | Т | FEE CALCULATION (continued) | | | |
|---------------------|---------------------------|--|-------------------------|-----------------------------|---|--|----------|
| × | Deposit Acco | ount | | 3. AI | ODITIO | NAL FEES | |
| Dep | oosit Account | 13-2755 | | | Large Entity | | |
| | mber posit Account | | | Fee Code | Fee (\$) | Fee Description | Fee Paid |
| Nar | | Merck & Co. | , Inc. | 1051 | 130 | Surcharge - late filing fee or oath | |
| The | Director is a | uthorized to: | | | | | |
| × | Charge fee(s) | indicated below X Cred | lit any overpayments | 1012 | 2,320 | reexamination | |
| X | Charge any ac | 1812 2,520 For filing a request for ex parte reexamination 1251 110 Extension for reply within first month 1252 420 Extension for reply within second month 1253 950 Extension for reply within third month 1254 1,480 Extension for reply within first month 1255 2,010 Extension for reply within first month 1250 2,010 Extension for reply within first month 1251 1.10 1252 1.10 Extension for reply within first month 1251 1.10 1252 1.10 Extension for reply within first month 1251 1.10 1252 1.10 1253 1.10 | | | | | |
| | application | · / 2 1 | , | 1252 | 420 | Extension for reply within second month | |
| | | FEE CALCULATION | | 1253 | 950 | Extension for reply within third month | |
| 1. BASIC FILING FEE | | | 1254 | 1,480 | Extension for reply within fourth month | | |
| Large | Entity | Fee Description | Fee Paid | 1255 | 2,010 | Extension for reply within fifth month | |
| Fee Code | Fee (\$) | i de Description | 10011111 | 1401 | 330 | Notice of Appeal | |
| 1001 | 770 | Utility filing fee | | 1402 | 330 | Filing a brief in support of an appeal | |
| 1002 | 340 | Design filing fee | | 1403 | 290 | Request for oral hearing | |
| 1004 | 770 | Reissue filing fee | | 1452 | 110 | Petition to revive - unavoidable | |
| 1005 | 160 | Provisional filing fee | | 1453 | 1,330 | Petition to revive - unintentional | |
| | | SURTOTAL (1) | \$0 | 1501 | 1,330 | Utility issue fee (or reissue) | |
| | | SOBIOTAL(1) | | 1502 | 480 | Design issue fee | |
| 2. EX | TRA CLAI | | Year frame | 1460 | 130 | Petitions to the Commissioner | |
| | | Extra | below Fee Paid | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| Total Cl Indepen | | ┧┝ ──┤ ┝──┤ | . *. | 1806 | 180 | | 180 |
| Clair Multiple | ms L e Dependent | | \$290 = | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| **or nun Large | nber previously Entity | paid, if greater; For Reiss | ues, see below | 1809 | 770 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| Fee Code 1202 | Fee (\$) 18 | Fee Description Claims in excess of 20 | | 1810 | 770 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1201 | 86 | Independent claims in exce | ss of 3 | 1801 | 770 | Request for Continued Examination (RCE) | |
| 1203 | 290 | Multiple dependent claim, i | f not paid | | | , | |
| 1204 | 86 | **Reissue independent clai | ms over original patent | Other fe | e (specify) |) | |
| 1205 | | **Reissue claims in excess patent | of 20 and over original | Other fe | e (specify) |) | |
| | | SUBTOTAL(2) | \$0 | | | SUBTOTAL(3) | \$180 |

| | SUBMITTED BY | Comp | Complete (if applicable) | | |
|--------------------------|-------------------|-------------|--------------------------|-------------------------------|--|
| Typed or Printed Name | Kenneth R. Walton | Reg. Number | 32,951 | | |
| Signature | Kuneth R. Wattr | Date | 05/11/2004 | Deposit Account User ID | |

INFORMATION DISCLOSURE STATEMENT

by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

| | RELATED APP | LICATION | |
|--|-------------------------------|-------------------|--|
| U. S. SERIAL NUMBER | FILING DATE | MERCK CASE | |
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| If this is inconvenient, additional copies will be submitted upon request | | | |
| 6. In accordance with 37 C.F.R. 1.97, (check one) | | | |
| the attached information is filed within three months of the filing dat | e of the captioned case. | | |
| the attached information is filed more than three months after the fi Office Action on the merits. | ling date but prior to the ma | ailing of a first | |
| the attached information is being filed more than three months afte Office Action on the merits, but before the mailing date of a Final A authorization is therefore given to charge Deposit Account No. 13-2 1.17(p). | ction or Notice of Allowanc | e. The enclosed | |
| the undersigned certifies that each item of information contained in cited in any communication from a foreign patent office in a counte months prior to the filing of this Statement. | | | |

the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37

C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

New Control Reg. Walton

Attorney For Applicant(s)

Reg. No. 32,951

MERCK & CO., INC.

Patent Dept., RY60-30

P.O. Box 2000

Rahway, N.J. 07065-0907

(732)594-3462

Date: May 11, 2004

| Subst | titute for form 1449A/PTO | | | COMPLETE IF KNOWN | | | |
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| IN | FORMATION DISCLOSURE OF E ATEMENT BY APPLICANT | CLOSURE | Application Number | 09/973,853 | | | |
| C/T | STATEMENT BY APPLICANT MAY 1 1 2004 See as many sheets as necessary) | | | Filing Date | October 10, 2001 | | |
| STATEMENT BY APPLICANT MAY 1 1 2004 | | First Named Inventor | Anthony et al. | | | | |
| | | Group Art Unit | 1624 | | | | |
| | | | ecessary) | Examiner Name | Coleman, Brenda L. | | |
| heet | l | of | 2 | Attorney Docket Number | 20757Y | | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-------------|--|--|----------------|--|--|--|
| Examiner Initials* | Cite No. | U.S. Patent Document Number Kind Code (if known) | | | Date of Publication of Cited Document MM-DD-YYYY | | |
| | A. | 5,753,666 | | Beasley et al. | 05/19/1998 | | |
| | B. | 3,945,995 | | Yamada et al. | 03/23/1976 | | |
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| | FOREIGN PATENT DOCUMENTS | | | | | | | |
|-----------------------|--------------------------|---------------------------------------|-------------|------------------|--|--|--|--|
| Examiner Initials* | Cite No. | Foreign Patent Document Office Number | | Kind Code | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | | |
| | C. | EPO | WO 99/15526 | (if known) A2 | | MM-DD-YYYY 04/01/1999 | | |
| | С. | EIO | WO 99/13320 | AZ | Simulkine Beecham, FLC | 04/01/1999 | | |
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^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450. Computer generated form "IDS Form" (IDS Folder), Merck & Co., Inc., 09/05/2003)

| • | | | Patent and Trademark Office; U.S DEPARTMENT OF COMMERCE COMPLETE IF KNOWN |
|---|-------|------------------------|---|
| Substitute for form 1449B/PTO INFORMATION DISCLO | OSURE | Application Number | 09/973,853 |
| STATEMENT BY APPLI | CANT | Filing Date | October 10, 2001 |
| STATEMENABY APPLI | CANI | First Named Inventor | Anthony et al. |
| MAY 1 1 2004 (use as many streets as necess | , | Group Art Unit | 1624 |
| | ary) | Examiner Name | Coleman, Brenda L. |
| Sheet of | 2 | Attorney Docket Number | 20757Y |

| | NON PATENT LITERATURE DOCUMENTS | | | | | |
|-----------------------|---------------------------------|---|--|--|--|--|
| Examiner Initials* | Cite No. | Include name of the author, title, date, page(s), volume-issue number(s) and place of publication. | | | | |
| | D. | J. Bedard et al., "Antiviral Properties of a Series of 1,6-Naphthyridine and 7,8-Dihydroisoquinoline Derivatives Exhibiting Potent Activity Against Human Cytomegalovirus", 2000, Vol. 44, Antimicrobial Agents and Chemotherapy. | | | | |
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